Ingenious Ideas *for* Motorists

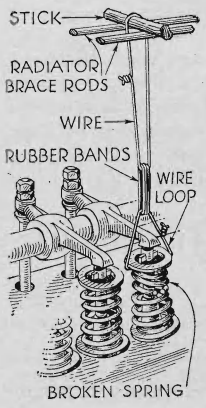
Our Readers Give You Many Suggestions for Adding Conveniences to Your Car

Holder made of radiator connection hose is attached to steering column and keeps your flashlight always handy

IN A holder that attaches to the steering column of your car, you can keep your flashlight within easy reach. The inexpensive holder illustrated is made from an 8 in. length of 1⅞ in. radiator connection hose by plugging the lower end with a cork or suitable wood disk. The plug is held in place with glue and brads driven through the rubber fabric of the hose. Being soft, this holder will protect the flashlight from damage and there will be no metal to rattle. Two ordinary hose clamps are used to fasten the holder in place. If desired, the attachment can be enameled.—W. A. J. H.

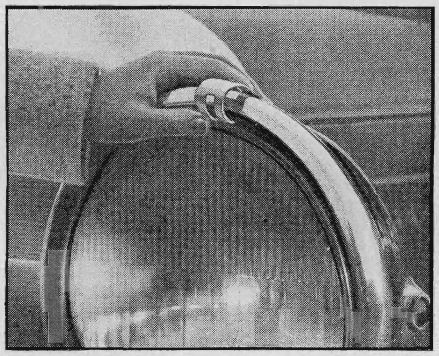
Substitute Valve Spring

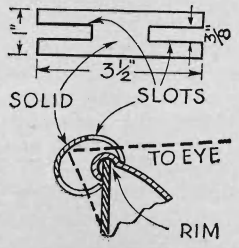
WHEN a valve spring on your overhead engine breaks, you can make an emergency repair that will get you to a service station quietly by using the simple arrangement shown. A piece of wire is made into a sling and looped under the washer on the valve stem. Then, several strong rubber bands are fastened to the upper end of the wire, and wired to a stout stick placed across the radiator brace rods.—E. C. W.



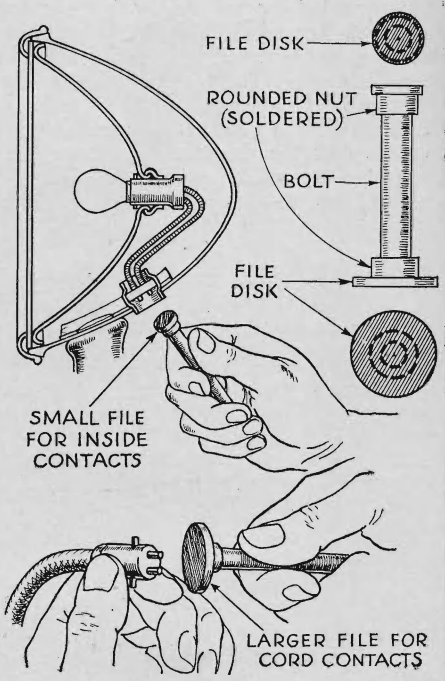
When Lamp Burns Out

STRIPS of tin, bent to fit on the rim of each headlight, serve as inexpensive indicators to warn the driver if one of his lamps burn out. Through the middle of a piece of tin, 1 in. wide and 3½ in. long, cut two ⅜ in. slots as indicated. This will form a center section about ¾ in. long. Then bend the tin so that it fits snugly over the headlight rim at the top. When the strip is properly adjusted, it will catch a part of the headlight beam and reflect it back to the driver as a telltale. To improve the indicator, polish the inside surface of the tin with sandpaper or mineral wool. Of course, one indicator should be installed on each head lamp. Similar indicators, made about half the size shown, also can be fitted to the small fender lights or cowl lamps for city driving. —L. M.





A strip of tin, bent to fit over rim at top of headlight, will reflect point of light and show if bulb is burned out. At left, diagram showing how tin is bent and attached to lamp rim



Small Cleaning Tool

A TOOL for cleaning the contacts on headlights can be made from two disks cut from a discarded file and a ¼ by 1¾ in. bolt and nut. The nut is first soldered permanently in place on the end of the bolt and then, as shown in the drawing, the bolt head and nut are rounded and the two file disks soldered in place. The smaller disk, 15/32 in., in diameter, can be inserted in the headlight socket and rotated to clean the inside contacts. The larger disk 9/16 in. in diameter, serves for cleaning the terminals on the lamp connection plug. The tool can be kept in the side pocket of your car.—E. D. T.

Pressure Oiler for Car's Springs

FROM the base and valve of an old gasoline lantern, the amateur mechanic can make a pressure oiler for springs. Filled with spring oil and pumped up to obtain pressure, the oiler takes the place of the old paint brush and pail of waste engine oil that many car owners use. A short length of copper pipe or tubing is first fitted with a burr or nut and the jet from a discarded carburetor screwed in. The pipe is then bent over as shown and fastened to the lantern base just above the valve. Being removable, the carburetor jet can be cleaned when necessary. In use, fill the tank with spring oil, operate the small pump to obtain sufficient pressure, and open the valve. The oil is forced between the spring leaves and a good job is assured.—H. R.